

**Physical Science
Chapter 7 Review**

Why are the noble gases called “noble”?

What feature of Mendeleev’s classification of elements on his table was unique?

What do elements in the same family have?

What is used to kill microscopic organisms in drinking water? What group does this element come from?

What type of arrangement of elements on the periodic table solved many of the problems of former arrangements?

Which division of elements are strong metals?

Why is silicon used as a major component of computer microchips?

What major factor of an element determines all of its chemical properties and some of its physical properties?

Which element has essentially none of the physical properties associated with its family?

What state will most metals be found at room temperature?

What is the name given to the elements with atomic numbers higher than 92 which are generally man-made?

What are the characteristics of metals?

What is the state of nonmetals at room temperature?

How did Newlands and Mosely arrange the elements?

Solid non-metals shatter easily because they are in what form?

What two scientists are attributed the development of the periodic table in the form we know today?

What are vertical columns on the periodic table called?

What are rows on the periodic table called?

What do we call the chart that organizes elements according to their recurring chemical and physical properties?

What are the three main types of elements represented on the periodic table?

What is the common characteristic of all neutral (stable) atoms in a group?

How do you tell how many valence electrons an element has?

What category of elements includes semiconductors?

List four common characteristics of metals.

- 1.
- 2.
- 3.
- 4.

List four common characteristics of nonmetals.

- 1.
- 2.
- 3.
- 4.

Which family of elements has a full outer energy level?

What does the row number (or period number) tell you about the electron structure of the atoms in that row?